

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date Issued: 09/13/1997  
MSDS Ref No: RPTM22804  
Date Revised: 09/13/1997  
Revision No: New MSDS

### PoolTime All Purpose Shock

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PoolTime All Purpose Shock  
GENERAL USE: Swimming pool shock  
CHEMICAL FAMILY: Hypochlorites

##### MANUFACTURER

Recreational Water Products  
Pool Time  
PO Box 887  
Scottsdale, GA 30079  
Customer SERVICE: (800) 949-7946

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation): (800) 424-9300  
Rocky Mountain (Medical): (303) 623-5716

##### COMMENTS:

EPA Registration Number: 67262-5

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name        | Wt %    | CAS Registry # | EINECS #  |
|----------------------|---------|----------------|-----------|
| Calcium Hypochlorite | 67      | 7778-54-3      | 231-908-7 |
| Calcium Hydroxide    | 3 ~ 7   | 1305-62-0      | 215-137-3 |
| Calcium Carbonate    | 1 ~ 2.5 | 471-34-1       | 207-439-9 |

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

###### PHYSICAL APPEARANCE

White, granular material

###### IMMEDIATE CONCERNS

DANGER: Highly Corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing dust and fumes. Remove contaminated clothing and wash before reuse.

##### POTENTIAL HEALTH EFFECTS

###### EYES

DANGER: Highly Corrosive. Causes eye damage. Do not get in eyes.

###### SKIN

DANGER: Highly Corrosive. Causes skin damage. Do not get on skin.

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#### INGESTION

May be fatal if swallowed

#### INHALATION

Irritating to nose and throat. Avoid breathing dust or fumes.

#### ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact

#### COMMENTS HEALTH:

There are no known chronic hazards

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## 4. FIRST AID MEASURES

#### EYES

If contact with eyes occurs. Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

#### SKIN

If contact with skin. Brush off excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

#### INGESTION

If swallowed. Drink large amounts of water. Do not induce vomiting. Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

#### INHALATION

If inhaled. Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

#### NOTES TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage

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## 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

#### GENERAL HAZARD

Calcium Hypochlorite is a strong oxidizing agent - may form explosive mixtures with combustible, organic or other oxidizable materials

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#### EXTINGUISHING MEDIA

In case of fire or smoke, call the fire department. Do not attempt to extinguish the fire without a self-contained breathing apparatus (SCBA). Do not let the fire burn. Flood with copious amounts of water. DO NOT use ABC or other dry chemical extinguishers since there is the potential for a violent reaction. Water in contact with hot Calcium Hypochlorite can release hydrochloric acid or chlorine gas.

#### HAZARDOUS COMBUSTION PRODUCTS

Chlorine, oxygen and chlorine monoxide at higher temperature

#### FIRE FIGHTING PROCEDURES

Firefighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Using a 10% solution of sodium carbonate, thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

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## 6. ACCIDENTAL RELEASE MEASURES

#### GENERAL PROCEDURES:

Using appropriate protective clothing and safety equipment, contain spilled material. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal. Do not use floor sweeping compounds to clean up spills. Do not close containers containing wet or damp material. They should be left open to disperse any hazardous gases that may form. Do not transport wet or damp material. Keep product out of sewers, watersheds and water systems. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Dispose of according to local, state and federal regulations.

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## 7. HANDLING AND STORAGE

#### HANDLING

**STRONG OXIDIZING AGENT** Do not mix with other chemicals. Mix only with water. Never add water to product. Always add product to large quantities of water. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water.

#### STORAGE

Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

|                      |     | EXPOSURE LIMITS  |                   |           |                   |              |                   |
|----------------------|-----|------------------|-------------------|-----------|-------------------|--------------|-------------------|
|                      |     | OSHA PEL         |                   | ACGIH TLV |                   | SUPPLIER OEL |                   |
|                      |     | ppm              | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> | ppm          | mg/m <sup>3</sup> |
| Calcium Hypochlorite | TWA | N/E <sup>1</sup> |                   | N/E       |                   |              |                   |
| Calcium Hydroxide    | TWA | 5                |                   | 5         |                   |              |                   |
| Calcium Carbonate    | TWA | 15               |                   | 10        |                   |              |                   |

#### OSHA TABLE COMMENTS

1 N/E = Not Established

### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV

### PERSONAL PROTECTIVE EQUIPMENT:

#### EYES AND FACE

Wear goggles or safety glasses with side shields when handling this product

#### SKIN

Wear rubber gloves when handling this product Avoid contact with skin

#### RESPIRATORY

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use

### WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse

### OTHER USE PRECAUTIONS

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Solid

ODOR Chlorine

APPEARANCE Granules

COLOR White

pH 11.5 (5% solution)

THERMAL DECOMPOSITION: >100°C

SOLUBILITY IN WATER 18g / 100g water

SPECIFIC GRAVITY 2.35 (water=1)

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#### 10. STABILITY AND REACTIVITY

##### CONDITIONS TO AVOID:

High temperature Poor ventilation Contamination Moisture/high humidity

##### STABILITY

This product is stable under normal conditions

##### POLYMERIZATION

Hazardous polymerization will not occur under normal conditions

##### HAZARDOUS DECOMPOSITION PRODUCTS

Chlorine, oxygen and chlorine monoxide at higher temperatures

##### INCOMPATIBLE MATERIALS

This is a strong oxidizing agent. Avoid contact with water on concentrated material in the container. Keep away from household soap, suntan lotion, paint products, solvents, acids, beverages, lighted cigarettes, combustible materials, garbage, dirt, dirty rags, organic materials and other swimming pool/spa chemicals in their concentrated forms. Mixing with any of the above materials can initiate a hazardous decomposition. Contact with acids or moisture evolves chlorine gas. Reacts with ammonia, urea and amines (can form reactive and toxic chloramines). Metal oxides can cause decomposition.

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#### 11. TOXICOLOGICAL INFORMATION

##### ACUTE

ORAL LD<sub>50</sub> 850 mg/kg (rat)

##### EYE EFFECTS

This product is corrosive to eyes

##### SKIN EFFECTS

This product is corrosive to skin

##### CARCINOGENICITY

This product is not listed as a carcinogen by IARC

This product is not listed as a carcinogen by NTP

This product is not listed as a carcinogen by OSHA

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#### 12. ECOLOGICAL INFORMATION

##### ECOTOXICOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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#### 13. DISPOSAL CONSIDERATIONS

##### DISPOSAL METHOD

Pesticide wastes are toxic. Improper disposal of excess pesticide or residue is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

##### EMPTY CONTAINER

Do not reuse container. Rinse thoroughly before discarding in trash.

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#### 14. TRANSPORT INFORMATION

##### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME Calcium Hypochlorite, hydrated

PRIMARY HAZARD CLASS/DIVISION 5.1

UNNA NUMBER 2880

PACKING GROUP II

REPORTABLE QUANTITY (RQ) UNDER CERCLA 10 lb

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#### 15. REGULATORY INFORMATION

##### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

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CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)  
CERCLA REGULATORY: This product is listed as a CERCLA Hazardous Substance  
CERCLA RQ: Calcium hypochlorite RQ is 10 lb

TSCA (TOXIC SUBSTANCE CONTROL ACT)  
TSCA REGULATORY: This product or its components are not subject to export notification  
TSCA STATUS: This product or its components are listed on the TSCA Inventory

OSHA HAZARD COMM. RULE  
Product is hazardous by definition of the Hazardous Communication Standard

CLEAN WATER ACT  
This product is listed as a hazardous substance under the Clean Water Act

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT)  
This product is a registered pesticide

SDWA (SAFE DRINKING WATER ACT)  
Not listed

#### CANADA

WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM)  
Proposed WHMIS Classification  
C - Oxidizing Material  
E - Corrosive Material

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## 16. OTHER INFORMATION

#### REVISION SUMMARY

New MSDS

#### NFPA CODES

HEALTH 3 FIRE 0 REACTIVITY 2

#### NFPA STORAGE CLASSIFICATION:

NFPA Oxidizer Class 3

#### HMIS CODES

HEALTH 3 FIRE 0 REACTIVITY 2 PROTECTION B

#### MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

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